IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please AMEND claims 1, 9, 10, 18, 19 and 29 and ADD new claims 30-32 in accordance with the following:

1. (currently amended) A software processing apparatus, comprising:

an operating environment determining unit which determines whether an operating environment requires power saving or not; ~~and~~

a switching processing unit which performs a process of heavy load for a CPU in a first environment which does not require power saving and performs a process of light load for said CPU in a second environment requiring power saving; and

an automatic CPU clock adjusting unit which causes a decrease in a CPU clock to the lowest level necessary in response to a throughout required to said CPU.

2. (original) An apparatus according to claim 1, wherein said operating environment determining unit determines a status where the apparatus operates on an external power supply as said first environment, and determines a status where the apparatus operates on a battery as said second environment.

3. (original) An apparatus according to claim 1, wherein said process of light load is a process obtained by simplifying said process of heavy load.

4. (original) An apparatus according to claim 3, wherein said simplified process is a part of said process of heavy load.

5. (original) An apparatus according to claim 3, wherein said simplified process is a process of using data obtained by processing data used in said process of heavy load.

6. (original) An apparatus according to claim 3, wherein said simplified process is another process realizing the same function as that of said process of heavy load.

7. (original) An apparatus according to claim 1, further comprising a setting unit of setting the switching between said process of heavy load and said process of light load to be

valid or invalid.

8. (original) An apparatus according to claim 1, wherein said process of heavy load and said process of light load are performed by a processor, and said processor changes an operation clock frequency in accordance with load of a process.

9. (currently amended) A software processing apparatus, comprising:

an operating environment determining unit which determines an operating environment of a system; ~~and~~

a switching unit which performs switching between a process of heavy load for a CPU on a processor and a process of light load on the processor in accordance with said operating environment; and

an automatic CPU clock adjusting unit which causes a decrease in a CPU clock to the lowest level necessary in response to a throughput that said CPU is required to give.

10. (currently amended) A software processing method, comprising:

determining whether an environment requires power saving or not; ~~and~~

performing a process of heavy load for a CPU in a first environment which does not require power saving and performing a process of light load in a second environment requiring power saving; and

automatically adjusting a CPU clock in which the CPU clock is lowered to the lowest level necessary in response to a throughput that said CPU is required to give.

11. (original) A method according to claim 10, wherein said determining step determines a status where the apparatus operates on an external power supply as said first environment, and determines a status where the apparatus operates on a battery as said second environment.

12. (original) A method according to claim 10, wherein said process of light load is a process obtained by simplifying said process of heavy load.

13. (original) A method according to claim 12, wherein said simplified process is a part of said process of heavy load.

14. (original) A method according to claim 12, wherein said simplified process is a process of using data obtained by processing data used in said process of heavy load.

15. (original) A method according to claim 12, wherein said simplified process is

another process realizing the same function as that of said process of heavy load.

16. (original) A method according to claim 10, wherein said switching step performs switching between said process of heavy load and said process of light load on the basis of valid/invalid setting information.

17. (original) A method according to claim 10, wherein said process of heavy load and said process of light load are performed by a processor, and said processor changes an operation clock frequency in accordance with load of a process.

18. (currently amended) A software processing method, comprising:

determining an operating environment of a system; ~~and~~

switching between a process of heavy load for a CPU on a processor and a process of light load on the processor in accordance with said operating environment; and

automatically adjusting a CPU clock in which the CPU clock is lowered to the lowest level necessary in response to the throughput that said CPU is required to give.

19. (currently amended) A recording medium on which a program to be executed by a computer is recorded,

wherein said program includes:

an operating environment determining operation~~step of~~ determining whether an operating environment requires power saving or not; ~~and~~

a switching ~~step of~~operation performing a process of heavy load for a CPU in a first environment which does not require power saving and performing a process of ~~light~~ high load in a second environment requiring power saving; and

an operation done in response to the throughput that said CPU is required to give.

20. (original) A recording medium according to claim 19, wherein said operating environment determining step determines a status where the apparatus operates on an external power supply as said first environment, and determines a status where the apparatus operates on a battery as said second environment.

21. (original) A recording medium according to claim 19, wherein said process of light load is a process obtained by simplifying said process of heavy load.

22. (original) A recording medium according to claim 21, wherein said simplified process is a part of said process of heavy load.

23. (original) A recording medium according to claim 21, wherein said simplified process is a process of using data obtained by processing data used in said process of heavy load.

24. (original) A recording medium according to claim 21, wherein said simplified process is another process realizing the same function as that of said process of heavy load.

25. (original) A recording medium according to claim 19, wherein said switching step performs switching between said process of heavy load and said process of light load on the basis of setting valid/invalid information.

26. (original) A recording medium according to claim 19, wherein said process of heavy load and said process of light load are performed by a processor of said computer, and said processor changes an operation clock frequency in accordance with load of a process.

27. (original) A recording medium according to claim 19, wherein said program is commonly used by other program and performs switching between said process of heavy load and said process of light load in response to a notification from the other program.

28. (original) A recording medium according to claim 27, wherein said program determines the contents of said process of heavy load and the contents of said process of light load in accordance with the contents included in the notification from said other program.

29. (currently amended) A program to be executed by a computer, comprising:

an operating environment determining operation~~step of~~ determining an operating environment of a system; ~~and~~

a switching operation~~step of~~ performing switching between a process of heavy load for a CPU on a processor and a process of light load on the processor in accordance with said operating environment; and

an automatic CPU clock adjusting operation causing a decrease in a CPU clock to the lowest level necessary in response to the throughput that said CPU is required to give.

30. (new) A recording medium on which a program to be executed by a computer is recorded, wherein said program includes:

an operating environment determining operation determining whether an operating environment requires power saving or not;

a switching operation performing a process of heavy load for a CPU in a first environment which does not require power saving and performing a process of high load in a

second environment requiring power saving; and

an automatic CPU clock adjusting operation automatically adjusting a CPU clock in which the CPU clock is lowered to the lowest level necessary in response to a throughput that said CPU is required to give

31. (new) A method of processing, comprising:

determining whether a CPU performing processing is operating in a battery mode;

automatically reducing an operation load on the CPU when the processing is operating in the battery mode; and

automatically reducing a CPU clock speed when the processing is operating in the battery mode.

32. (new) A method of processing, comprising:

determining whether a CPU performing processing is operating in a battery mode;

automatically reducing an operation load on the CPU when the processing is operating in the battery mode; and

automatically reducing a CPU clock speed in correspondence to the reduced operation load when the processing is operating in the battery mode.